

IN THE CLAIMS:

None of the claims are amended herein. However, for the convenience of the Examiner, all the pending claims are reproduced below.

1. (PREVIOUSLY PRESENTED) An apparatus comprising:
a stacking conveyor conveying packets so that the conveyed packets become stacked together in a standing up configuration as an array of packets extending along a length of the stacking conveyor; and
first and second gripping members automatically controlled so that the first and second gripping members mechanically move independently of each other along the entire length of the stacking conveyor to grip the array between the first and second gripping members and carry the gripped array via gripping force between the first and second gripping members to a different location for processing of the array.
2. (ORIGINAL) An apparatus as in claim 1, further comprising:
first and second endless belts on which the first and second gripping members are mounted, respectively, so that the first and second gripping members mechanically move independently of each other.
3. (ORIGINAL) An apparatus as in claim 1, further comprising:
first and second drive motors for driving the first and second gripping members, respectively, so that the first and second gripping members mechanically move independently of each other.
4. (ORIGINAL) An apparatus as in claim 1, further comprising:
first and second endless belts on which the first and second gripping members are mounted, respectively; and
first and second drive motors for driving the first and second endless belts, respectively, the first and second drive motors and the first and second endless belts being configured so that the first and second gripping members mechanically move independently of each other.
5. (ORIGINAL) An apparatus as in claim 1, wherein the first and second gripping

members are paddles.

6. (PREVIOUSLY PRESENTED) An apparatus as in claim 1, wherein the first and second gripping members have surfaces which contact the array and have sufficient friction for gripping and carrying the gripped array.

7. (PREVIOUSLY PRESENTED) An apparatus as in claim 1, wherein the first and second gripping members are paddles having surfaces which contact the array and have sufficient friction for gripping and carrying the gripped array.

8. (ORIGINAL) An apparatus as in claim 1, wherein the packets are pillow-type bags.

9. (ORIGINAL) An apparatus as in claim 1, wherein the first and second gripping members are automatically controlled so that the first and second gripping members mechanically move independently of each other to grip the array between the first and second gripping members as the array is being conveyed in a conveying direction by the conveyor.

10. (ORIGINAL) An apparatus as in claim 9, wherein the first and second gripping members are automatically controlled by positioning the first gripping member at a stationary position downstream of the array as the array is conveyed by the conveyor to cause contact to be established between a downstream end of the array and the first gripping member, and moving the second gripping member to contact an upstream end of the array as the array is conveyed, to thereby cause the array to be gripped between the first and second gripping members.

11. (ORIGINAL) An apparatus as in claim 9, wherein the first and second gripping members are automatically controlled by causing the first gripping member to move towards the array from downstream of the array as the array is conveyed by the conveyor to thereby cause contact to be established between a downstream end of the array and the first gripping member, and moving the second gripping member to contact an upstream end of the array as the array is conveyed, to thereby cause the array to be gripped between the first and second gripping members.

12. (PREVIOUSLY PRESENTED) An apparatus as in claim 1, wherein the array is carried by rotating the first and second gripping members while the array is gripped between the first and second gripping members.

13. (PREVIOUSLY PRESENTED) An apparatus as in claim 1, wherein the array is carried by sliding the first and second gripping members while the array is gripped between the first and second gripping members.

14. (PREVIOUSLY PRESENTED) An apparatus as in claim 1, wherein the stacking conveyor conveys packets to produce a plurality of arrays of packets, the first and second gripping members being automatically controlled to sequentially grip each respective array and carry the array to said different location.

15. (PREVIOUSLY PRESENTED) An apparatus as in claim 1, wherein the first and second gripping members carry the gripped array to a packaging station for packaging the array.

16. (PREVIOUSLY PRESENTED) An apparatus as in claim 1, wherein the gripping force between the first and second gripping members is changeable as the array is being carried.

17. (ORIGINAL) An apparatus as in claim 1, wherein the stacking conveyor and the first and second gripping members are arranged so that packets and arrays continuously move downstream along a conveying/gripping/moving route.

18. (PREVIOUSLY PRESENTED) An apparatus comprising:
a stacking conveyor conveying packets so that the conveyed packets become stacked together in a standing up configuration as an array of packets along a length of the stacking conveyor;
first and second gripping members; and
means for automatically controlling the first and second gripping members so that the first and second gripping members mechanically move independently of each other along the entire length of the stacking conveyor to grip the array between the first and second gripping

members and move the gripped array to a different location for processing of the array.

19. (PREVIOUSLY PRESENTED) An apparatus comprising:
 - a stacking conveyor conveying packets so that the conveyed packets become stacked together in a standing up configuration as an array of packets;
 - first and second endless belts on which first and second gripping members are mounted, respectively;
 - first and second drive motors driving the first and second endless belts, respectively, the first and second drive motors and the first and second endless belts being configured so that the first and second gripping members mechanically move independently of each other; and
 - a controller automatically controlling the first gripping member via the first drive motor and the first endless belt and automatically controlling the second gripping member via the second drive motor and the second endless belt so that the first and second gripping members mechanically move independently of each other to grip the array between the first and second gripping members and move the gripped array to a different location for processing of the array.
20. (ORIGINAL) An apparatus as in claim 19, wherein the first and second gripping members are paddles.
21. (ORIGINAL) An apparatus as in claim 19, wherein the first and second gripping members have surfaces which contact the array and have sufficient friction for gripping and moving the gripped array.
22. (ORIGINAL) An apparatus as in claim 19, wherein the packets are pillow-type bags.
23. (ORIGINAL) An apparatus as in claim 19, wherein the first and second gripping members are controlled to grip the array as the array is being conveyed.
24. (ORIGINAL) An apparatus as in claim 22, wherein the first and second gripping members are controlled to grip the array as the array is being conveyed.

25. (PREVIOUSLY PRESENTED) A method comprising:
conveying packets so that the conveyed packets become stacked together in a standing up configuration as an array of packets along a length of a conveyor; and
automatically controlling first and second gripping members so that the first and second gripping members mechanically move independently of each other along the entire length of the conveyor to grip the array between the first and second gripping members and move the gripped array to a different location for processing of the array.

26. (PREVIOUSLY PRESENTED) An apparatus comprising:
a stacking conveyor conveying packets so that the conveyed packets become stacked together in a standing up configuration as an array of packets;
first and second gripping members automatically controlled so that the first and second gripping members mechanically move independently of each other to grip the array between the first and second gripping members and move the gripped array to a different location for processing of the array;
first and second endless belts on which the first and second gripping members are mounted, respectively; and
first and second drive motors for driving the first and second endless belts, respectively, the first and second drive motors and the first and second endless belts being configured so that the first and second gripping members mechanically move independently of each other.

27. (PREVIOUSLY PRESENTED) An apparatus comprising:
a stacking conveyor conveying packets so that the conveyed packets become stacked together in a standing up configuration as an array of packets;
first and second gripping members automatically controlled so that the first and second gripping members mechanically move independently of each other to grip the array between the first and second gripping members and carry the gripped array via gripping force between the first and second gripping members to a different location for processing of the array;
first and second endless belts on which the first and second gripping members are mounted, respectively; and

Serial No.: 10/671,658

Docket No.: 1087.1020

first and second drive motors for driving the first and second endless belts, respectively, the first and second drive motors and the first and second endless belts being configured so that the first and second gripping members mechanically move independently of each other.